

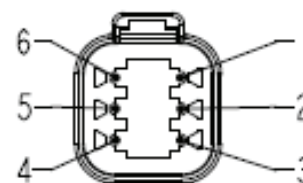
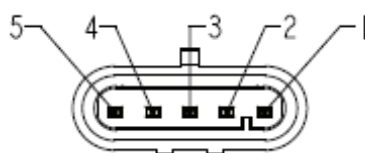
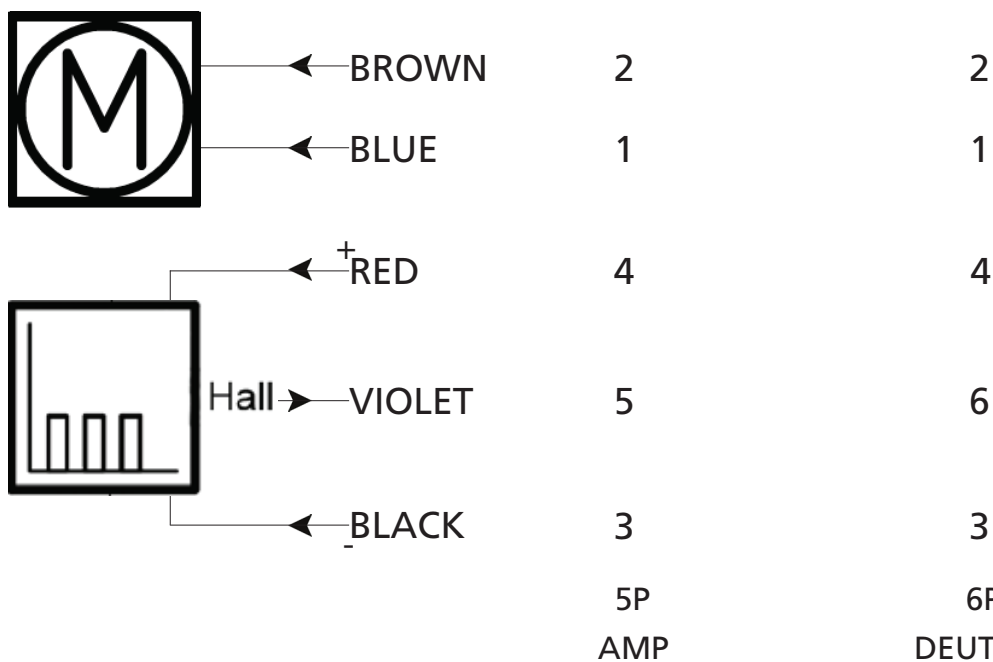


Actuator LA14  
Relative positioning - Single hall  
*Connection diagram*


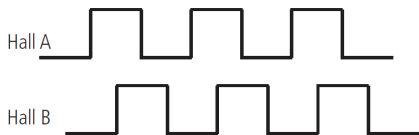


# Connection diagram

14XXXXXXXXX0K0X0X=XX0XXXXXXXXX0X

Compliant with:



# I/O Specifications

Input/Output	Specification	Comments
Description	The actuator can be equipped with Single hall that gives a relative positioning feedback signal when the actuator moves. See connection diagram, figure above	 Hall
Brown	12 or 24 VDC (+/-)  12 V $\pm$ 20% 24 V $\pm$ 10%	To extend actuator: Connect Brown to positive  To retract actuator: Connect Brown to negative
Blue	Under normal conditions: 12 V, max. 5 A depending on load 24 V, max. 2,5 A depending on load	To extend actuator: Connect Blue to negative  To retract actuator: Connect Blue to positive
Red	Signal power supply (+) 12-24 VDC	Current consumption: Max. 40 mA, also when the actuator is not running
Black	Signal power supply GND (-)	
Green	Not to be connected	
Yellow	Not to be connected	
Violet	Single Hall output (PNP) Movement per Single Hall pulse: LA14020 Actuator = 0.2 mm per pulse LA14040 Actuator = 0.4 mm per pulse Frequency is 14-26 Hz on Single Hall output depending on load. Overvoltage on the motor can result in shorter pulses.	Output voltage min. $V_{IN} - 2\text{ V}$ Max. current output: 12 mA Max. 680 nF N.B. For more precise measurements, please contact LINAK A/S. Low frequency with a high load. Higher frequency with no load.
	Input:   Hall A Hall B	Single hall output:     Micro - Processor
White	Not to be connected	

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